

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS							
			Rework <input type="checkbox"/>	Scrap <input type="checkbox"/>	Use-as-is <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>				
Part No. _____			Machining <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Finishing <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>				
NCR No. _____			Work Order Update <input type="checkbox"/>	Composite <input type="checkbox"/>			Rec/Store/Packaging <input type="checkbox"/>	Supplier <input type="checkbox"/>	Other <input type="checkbox"/>				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector			
Doc/Data													
Equip/Tooling													
Operator													
Material													
Setup													
Other													
Process													
Supplier													
Training													
Unapproved													
FAULT CATEGORY													
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions							<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other		

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____	DISPOSITION			AGAINST DEPARTMENT/PROCESS					
Part No. _____	Rework <input type="checkbox"/>	Scrap <input type="checkbox"/>	Use-as-is <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>		
NCR No. _____	Work Order Update <input type="checkbox"/>	Machining <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Finishing <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>		
		Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Supplier <input type="checkbox"/>	Other <input type="checkbox"/>			

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data									
Equip/Tooling									
Operator									
Material									
Setup									
Other									
Process									
Supplier									
Training									
Unapproved									

FAULT CATEGORY

Landing Gear		General									
<input type="checkbox"/> Bending	<input type="checkbox"/> Bend	<input type="checkbox"/> Grain	<input type="checkbox"/> Ovalized	<input type="checkbox"/> Pressure/Forced							
<input type="checkbox"/> Centre Not Concentric to O/S	<input type="checkbox"/> BOM/Route	<input type="checkbox"/> Hardware	<input type="checkbox"/> Over/Under tolerance	<input type="checkbox"/> Temperature/Cure							
<input type="checkbox"/> Cracks	<input type="checkbox"/> Broken/Damaged	<input type="checkbox"/> Inspection Incomplete	<input type="checkbox"/> Part Incorrect	<input type="checkbox"/> Weld							
<input type="checkbox"/> Crushed/Crimped	<input type="checkbox"/> Burrs	<input type="checkbox"/> Instructions Incomplete/Unclear	<input type="checkbox"/> Part Lost/Missing	<input type="checkbox"/> Wrong Stock Pulled							
<input type="checkbox"/> Cuffs	<input type="checkbox"/> Contamination	<input type="checkbox"/> Maintenance	<input type="checkbox"/> Part Moved	<input type="checkbox"/> Other							
<input type="checkbox"/> Heat Treat	<input type="checkbox"/> Countersink	<input type="checkbox"/> Mislabeled	<input type="checkbox"/> Positioned Wrong	<input type="checkbox"/> Power Loss/Surge							
<input type="checkbox"/> Inspection Strip in Tube	<input type="checkbox"/> Cut Too Short	<input type="checkbox"/> Misread	<input type="checkbox"/> Offset	<input type="checkbox"/>							
<input type="checkbox"/> Ripples in Bend	<input type="checkbox"/> Drill Holes	<input type="checkbox"/> Out of Calibration	<input type="checkbox"/> Out of Sequence	<input type="checkbox"/>							
<input type="checkbox"/> Torque Waves in Extrusion	<input type="checkbox"/> Drawing	<input type="checkbox"/> Finish	<input type="checkbox"/> Outside Dimensions	<input type="checkbox"/>							
<input type="checkbox"/> Turning Sequence	<input type="checkbox"/> Folio			<input type="checkbox"/>							
<input type="checkbox"/> Wave/Twist in Tube				<input type="checkbox"/>							

Picklist Print

September-11-13 11:46:42 AM

Page 1 /16

Work Order ID:	106833	Start Date:	9/23/13	Required Date:	9/23/13								
Parent Item:	646.4001	Start Qty:	1.00	Required Qty:	1.00								
Parent Item Name:	AS350 Cable Cutters												
Comments:	IPP REV:A 12.10.23 NEW ISSUE DD VERF:JLM												
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
6463301 Upper Cutter Assy 9-89	DAS	Manufactured	No				Each	13.0000		1	33 89	DAS 31 9-89	
							<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>				
							ST544	13					
							T02876	7					
							125083	6					
6463001 Lower Cutter Assy 9-89	DAS	Manufactured	No				Each	7.0000		1	33 89	DAS 31 9-89	
							<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>				
							ST537	7					
							101102	1					
							125083	6					
6462910 Deflector 9-89	DAS	Manufactured	No				Each	8.0000		1	33 89	DAS 31 9-89	
							<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>				
							st535	1					
							100122	1					
							st543	7					
							100811	7					
6463810 Bracket 9-89	DAS	Manufactured	No				Each	17.0000		2	33 89	DAS 31 9-89	
							<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>				
							ST524	17					
							102933	17					
6463510 Strut 9-89	DAS	Manufactured	No				Each	10.0000					
							<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>				
							ST153	10					
							102351	10					

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION		AGAINST DEPARTMENT/PROCESS								
			Rework <input type="checkbox"/>	Scrap <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>					
			Use-as-is <input type="checkbox"/>	Work Order Update <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>					
				Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>						
				Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>							
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector				
Doc/Data													
Equip/Tooling													
Operator													
Material													
Setup													
Other													
Process													
Supplier													
Training													
Unapproved													
FAULT CATEGORY													
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions						<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other			

Picklist Print

September-11-13 11:46:43 AM

Page 2

Work Order ID: 106833

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutters

Start Date: 9/23/13

Required Date: 9/23/13

Start Qty: 1.00

Required Qty: 1.00

646.3511 DAS
Strut 6 9-89

Manufactured No

Each 19.0000

1 DAS 31 9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST523	10	
102891	10	
ST538	8	
93263	8	
ST542	1	
100114	1	

93263

DAS 31 9-89

646.3512 DAS
Strut 6 9-89

Manufactured No

Each 15.0000

1 DAS 31 9-89

DAS 31 9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST519	15	
94618	15	

94618

Manufactured No

Each 22.0000

1 DAS 31 9-89

13-0-04

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST139A	2	
125083	2	
ST523A	20	
104683	20	

104683

DAS 31 9-89

DAS 6 9-89

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION		AGAINST DEPARTMENT/PROCESS					
			Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/> Prod. Eng. Coor. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/>			
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector	
Doc/Data										
Equip/Tooling										
Operator										
Material										
Setup										
Other										
Process										
Supplier										
Training										
Unapproved										
FAULT CATEGORY										
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions						
				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Other						

Picklist Print

September-11-13 11:46:43 AM

Page 3

Work Order ID: 106833

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutters

Start Date: 9/23/13

Required Date: 9/23/13

Start Qty: 1.00

Required Qty: 1.00

NAS1149F0332P

Purchased

No

Each

9,038.0000

134

04
33
89

Washer

DAS
6
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
GA	182	
122063	182	
ST294	158	
122063	158	
ST295	3	
123352	3	
st510	3695	
123900	3695	
ST510a	5000	
125646	5000	

MS2104213

Purchased

No

Each

6,501.0000

63

04
33
89

Nut
DAS
6
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
FP001	3	
122141	3	
GA	18	
122452	18	
ST314	325	
111668	1	
117885	32	
119017	55	
119075	138	
123265	43	
M126036	56	
ST506	1304	
123900	905	
124291	399	
ST510a	4851	
M126275	851	
M126333	4000	

207 126275
43 X 126333

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS														
			Rework <input type="checkbox"/>	Scrap <input type="checkbox"/>	Use-as-is <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Machining <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Finishing <input type="checkbox"/>	Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/>	Quality <input type="checkbox"/>	Other <input type="checkbox"/>
Part No. _____			Work Order Update <input type="checkbox"/>																	
NCR No. _____																				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance			Initial Chief Eng	Action Description			Sign & Date	Verification	QC Inspector							
Doc/Data																				
Equip/Tooling																				
Operator																				
Material																				
Setup																				
Other																				
Process																				
Supplier																				
Training																				
Unapproved																				
FAULT CATEGORY																				
Landing Gear				General																
Bending	<input type="checkbox"/>	Bend	<input type="checkbox"/>	Grain	<input type="checkbox"/>	Ovalized	<input type="checkbox"/>	Pressure/Forced												
Centre Not Concentric to O/S	<input type="checkbox"/>	BOM/Route	<input type="checkbox"/>	Hardware	<input type="checkbox"/>	Over/Under tolerance	<input type="checkbox"/>	Temperature/Cure												
Cracks	<input type="checkbox"/>	Broken/Damaged	<input type="checkbox"/>	Inspection Incomplete	<input type="checkbox"/>	Part Incorrect	<input type="checkbox"/>	Weld												
Crushed/Crimped	<input type="checkbox"/>	Burrs	<input type="checkbox"/>	Instructions Incomplete/Unclear	<input type="checkbox"/>	Part Lost/Missing	<input type="checkbox"/>	Wrong Stock Pulled												
Cuffs	<input type="checkbox"/>	Contamination	<input type="checkbox"/>	Maintenance	<input type="checkbox"/>	Part Moved	<input type="checkbox"/>													
Heat Treat	<input type="checkbox"/>	Countersink	<input type="checkbox"/>	Mislabeled	<input type="checkbox"/>	Positioned Wrong	<input type="checkbox"/>													
Inspection Strip in Tube	<input type="checkbox"/>	Cut Too Short	<input type="checkbox"/>	Misread	<input type="checkbox"/>	Power Loss/Surge	<input type="checkbox"/>													
Ripples in Bend	<input type="checkbox"/>	Drill Holes	<input type="checkbox"/>	Offset	<input type="checkbox"/>	Other	<input type="checkbox"/>													
Torque Waves in Extrusion	<input type="checkbox"/>	Drawing	<input type="checkbox"/>	Out of Calibration	<input type="checkbox"/>		<input type="checkbox"/>													
Turning Sequence	<input type="checkbox"/>	Finish	<input type="checkbox"/>	Out of Sequence	<input type="checkbox"/>		<input type="checkbox"/>													
Wave/Twist in Tube	<input type="checkbox"/>	Folio	<input type="checkbox"/>	Outside Dimensions	<input type="checkbox"/>		<input type="checkbox"/>													

Picklist Print

September-11-13 11:46:43 AM

Page 4

Work Order ID: 106833

Parent Item: 646.4001

Start Date: 9/23/13

Required Date: 9/23/13

Parent Item Name: AS350 Cable Cutters

Start Qty: 1.00

Required Qty: 1.00

646.3110 Channel

Manufactured No

Each 14.0000

1

33

69

Location	Loc Qty	Loc Code
----------	---------	----------

ST139A	4	
--------	---	--

125083	4	
--------	---	--

ST540	1	
-------	---	--

93242	1	
-------	---	--

ST542	9	
-------	---	--

100124	9	
--------	---	--

646.3710 Doubler

Manufactured No

Each 31.0000

1

33

69

Location	Loc Qty	Loc Code
----------	---------	----------

ST425	1	
-------	---	--

97175	1	
-------	---	--

ST539	30	
-------	----	--

100950	30	
--------	----	--

646.3210 Support

Manufactured No

Each 4.0000

1

33

69

Location	Loc Qty	Loc Code
----------	---------	----------

ST538	4	
-------	---	--

100123	4	
--------	---	--

646.3713 Gusset

Manufactured No

Each 29.0000

1

33

69

Location	Loc Qty	Loc Code
----------	---------	----------

st535	29	
-------	----	--

102617	19	
--------	----	--

99630-1	10	
---------	----	--

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework <input type="checkbox"/>	Scrap <input type="checkbox"/>	Use-as-is <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>		
Part No. _____			Machining <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>			
NCR No. _____			Work Order Update <input type="checkbox"/>	Finishing <input type="checkbox"/>	Composite <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Supplier <input type="checkbox"/>	Other <input type="checkbox"/>			
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions							
				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled							
				<input type="checkbox"/> Other							

Picklist Print

September-11-13 11:46:43 AM

Page 5

Work Order ID: 106833

Parent Item: 646.4001

Start Date: 9/23/13

Required Date: 9/23/13

Parent Item Name: AS350 Cable Cutters

Start Qty: 1.00

Required Qty: 1.00

MS24694-S51

Screw

DAS
6
3-89

Purchased

No

Each 126.0000

5

33
89

DAS
31
9-89

AN3-13A
Bolt

DAS
6
3-89

Purchased

No

Each 37.0000

125654

33
89

DAS
31
9-89

AN3-4A
Bolt

DAS
6
3-89

Purchased

No

Each 433.0000

123759

33
89

DAS
31
9-89

GR3213-5-3
Cherry Rivet

DAS
6
3-89

GR 3213 - 5-03

Purchased

No

Each 348.0000

125445

33
89

DAS
31
9-89

13-10-04

DAS
6
3-89

Location

Loc Qty

Loc Code

ST328

300

m126333

300

ST329

48

123785

48

44-123785

DAS
31
9-89

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION		AGAINST DEPARTMENT/PROCESS						
			Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other				
Part No. _____ NCR No. _____											
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions						<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other	

Picklist Print

September-11-13 11:46:43 AM

Page 6

Work Order ID: 106833

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutters

Start Date: 9/23/13

Start Qty: 1.00

Required Date: 9/23/13

Required Qty: 1.00

MS20470AD5.55
Rivet
6
9-89

Purchased	No	Each	573.0000
-----------	----	------	----------

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST336	573	
123425	573	

646.3711
Clip

Manufactured	No	Each	40.0000
--------------	----	------	---------

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
st535	30	
101004	10	
93929	20	
ST536	10	
102554	10	

646.3712
Clip

Manufactured	No	Each	41.0000
--------------	----	------	---------

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
st535	30	
101119	10	
93949	20	
ST536	11	
100117	1	
102553	10	

646.3811
Radius Block

Manufactured	No	Each	6.0000
--------------	----	------	--------

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST139A	6	
93224	6	

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION		AGAINST DEPARTMENT/PROCESS						
			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>				
			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>				
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>				
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio		<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <hr/> <hr/> <hr/>	
										<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <hr/> <hr/> <hr/>	
										<input type="checkbox"/> Other	

Picklist Print

September-11-13 11:46:44 AM

Page 7

Work Order ID: 106833

Parent Item: 646.4001

Start Date: 9/23/13

Required Date: 9/23/13

Parent Item Name: AS350 Cable Cutters

Start Qty: 1.00

Required Qty: 1.00

AN3-6A
Bolt

Purchased No Each 227.0000

Q2 DA 33 89

DAS
6
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST350	156	
124296	18	
M126073	8	
M126192	100	
M126400	30	
ST351	61	
117441	34	
121166	13	
122993	10	
123831	4	
ST512	10	
122814	10	

126400

DAS
31
9-89

MS24694-S55
Screw

Purchased No Each 118.0000

Q1 DA 33 89

DAS
6
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST303	118	
124296	61	
125535	57	

122535

DAS
31
9-89

646.3610
Filler
DAS
6
9-89

Manufactured No Each 26.0000

Q1 DA 33 89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST139A	6	
93434	1	
99849	5	
ST523	20	
102275	20	

102275

DAS
31
9-89

646.3714
Gusset
DAS
6
9-89

Manufactured No Each 5.0000

Q1 DA 33 89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST521	5	
99597	5	

99597

DAS
31
9-89

NCR: Yes / No

DQA: Date: . .

WORK ORDER NON-COMPLIANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____				DISPOSITION		AGAINST DEPARTMENT/PROCESS					
				Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>		Engineering <input type="checkbox"/>		
				Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>		Quality <input type="checkbox"/>		
				Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>		Other <input type="checkbox"/>		
				Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>				
Root Cause		Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector	
Doc/Data	<input type="checkbox"/>										
Equip/Tooling	<input type="checkbox"/>										
Operator	<input type="checkbox"/>										
Material	<input type="checkbox"/>										
Setup	<input type="checkbox"/>										
Other	<input type="checkbox"/>										
Process	<input type="checkbox"/>										
Supplier	<input type="checkbox"/>										
Training	<input type="checkbox"/>										
Unapproved	<input type="checkbox"/>										
FAULT CATEGORY											
Landing Gear				General							
Bending	<input type="checkbox"/>	Bend	<input type="checkbox"/>	Grain	<input type="checkbox"/>	Ovalized	<input type="checkbox"/>	Pressure/Forced			
Centre Not Concentric to O/S	<input type="checkbox"/>	BOM/Route	<input type="checkbox"/>	Hardware	<input type="checkbox"/>	Over/Under tolerance	<input type="checkbox"/>	Temperature/Cure			
Cracks	<input type="checkbox"/>	Broken/Damaged	<input type="checkbox"/>	Inspection Incomplete	<input type="checkbox"/>	Part Incorrect	<input type="checkbox"/>	Weld			
Crushed/Crimped	<input type="checkbox"/>	Burrs	<input type="checkbox"/>	Instructions Incomplete/Unclear	<input type="checkbox"/>	Part Lost/Missing	<input type="checkbox"/>	Wrong Stock Pulled			
Cuffs	<input type="checkbox"/>	Contamination	<input type="checkbox"/>	Maintenance	<input type="checkbox"/>	Part Moved	<input type="checkbox"/>				
Heat Treat	<input type="checkbox"/>	Countersink	<input type="checkbox"/>	Mislabeled	<input type="checkbox"/>	Positioned Wrong	<input type="checkbox"/>				
Inspection Strip in Tube	<input type="checkbox"/>	Cut Too Short	<input type="checkbox"/>	Misread	<input type="checkbox"/>	Power Loss/Surge	<input type="checkbox"/>				
Ripples in Bend	<input type="checkbox"/>	Drill Holes	<input type="checkbox"/>	Offset	<input type="checkbox"/>	Other	<input type="checkbox"/>				
Torque Waves in Extrusion	<input type="checkbox"/>	Drawing	<input type="checkbox"/>	Out of Calibration	<input type="checkbox"/>		<input type="checkbox"/>				
Turning Sequence	<input type="checkbox"/>	Finish	<input type="checkbox"/>	Out of Sequence	<input type="checkbox"/>		<input type="checkbox"/>				
Wave/Twist in Tube	<input type="checkbox"/>	Folio	<input type="checkbox"/>	Outside Dimensions	<input type="checkbox"/>		<input type="checkbox"/>				

Picklist Print

September-11-13 11:46:44 AM

Page 8

Work Order ID: 106833

Parent Item: 646.4001

Start Date: 9/23/13

Required Date: 9/23/13

Parent Item Name: AS350 Cable Cutters

Start Qty: 1.00

Required Qty: 1.00

MS20470AD5-6
RIVET

Purchased No Each 1,588.0000

8

DAS
6
9-89

Location Loc Qty Loc Code

ST336	1588	
105433	698	
124089	890	

105433

DAS
31
9-89

646.3812
Gusset Bracket

Manufactured No Each 10.0000

DAS
6
9-89

Location Loc Qty Loc Code

st535	10	
102345	1	
102772	9	

102772

DAS
31
9-89

AN3-3A
Bolt

Purchased No Each 484.0000

DAS
6
9-89

Location Loc Qty Loc Code

ST350	484	
123831	7	
124552	1	
m126192	117	
m126249	359	

126249

DAS
31
9-89

646.3813
Strut Brackets

Manufactured No Each 9.0000

DAS
6
9-89

Location Loc Qty Loc Code

ST537	9	
100133	6	
99674	3	

100133

DAS
31
9-89
13-10-04

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS						
			Rework <input type="checkbox"/>	Scrap <input type="checkbox"/>	Use-as-is <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>			
			Work Order Update <input type="checkbox"/>	Machining <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Finishing <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>			
				Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Supplier <input type="checkbox"/>	Other <input type="checkbox"/>				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data												
Equip/Tooling												
Operator												
Material												
Setup												
Other												
Process												
Supplier												
Training												
Unapproved												
FAULT CATEGORY												
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio			<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
											<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled	
											<input type="checkbox"/> Other	

Picklist Print

September-11-13 11:46:44 AM

Page 9

Work Order ID: 106833

Parent Item: 646.4001

Start Date: 9/23/13

Required Date: 9/23/13

Parent Item Name: AS350 Cable Cutters

Start Qty: 1.00

Required Qty: 1.00

~~MS20470AD5-7~~

Rivet

DAS
6
9-89

Purchased No Each 2,107.0000

3

1
3
3
89

DAS

31
9-89

Location Loc Qty Loc Code

Mezz	1384	
2655	799	
3011	585	
ST336	723	
123425	723	

123425

18

DAS
6
9-89

~~MS21047-3~~

Nut Plate

DAS
6
9-89

Purchased No Each 719.0000

Location Loc Qty Loc Code

GA	144	
125535	144	
ST316	75	
123268	25	
123301	50	
st507	500	
125654	500	

125535

18

DAS
31
9-89

~~CCR264SS3-02~~

Rivet, Cherry

DAS
6
9-89

Purchased No Each 786.0000

Location Loc Qty Loc Code

ST327	786	
106578	100	
124259	22	
M125952	264	
M126282	400	

36

DAS
6
9-89

13-10-04

DQA: _____ Date: _____

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order:- Part No. NCR No.			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other							
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved											
FAULT CATEGORY											
Landing Gear			General								
Bending Centre Not Concentric to O/S Cracks Crushed/Crimped Cuffs Heat Treat Inspection Strip in Tube Ripples in Bend Torque Waves in Extrusion Turning Sequence Wave/Twist in Tube	Bend BOM/Route Broken/Damaged Burrs Contamination Countersink Cut Too Short Drill Holes Drawing Finish Folio	Grain Hardware Inspection Incomplete Instructions Incomplete/Unclear Maintenance Mislabeled Misread Offset Out of Calibration Out of Sequence Outside Dimensions	Ovalized Over/Under tolerance Part Incorrect Part Lost/Missing Part Moved Positioned Wrong Power Loss/Surge	Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled							

Picklist Print

September-11-13 11:46:44 AM

Page 10

Work Order ID: 106833

Parent Item: 646.4001

Start Date: 9/23/13

Required Date: 9/23/13

Parent Item Name: AS350 Cable Cutters

Start Qty: 1.00

Required Qty: 1.00

AN3-5A
Bolt

Purchased No Each 1,619.0000

DAS
6
9-89

Location Loc Qty Loc Code

FP001	12	
122800	12	
GA	120	
117423	120	
ST350	22	
120187	22	
ST511	1000	
m126559	1000	
ST512	465	
122416	19	
124561	446	

2
DAS
33
9-89

DAS
31
9-89

646.3715 DAS
Strut Doubler 6
9-89

Manufactured No Each 19.0000

Location Loc Qty Loc Code

ST523A	19	
102988	9	
103610	10	

124561

2
DAS
33
9-89

DAS
31
9-89

Purchased No Each 236.0000

Location Loc Qty Loc Code

Mezz	36	
100993	36	
ST305	200	
125654	200	

1+102988
1+103610

6
DAS
33
9-89

13-10-04

Screw

DAS
6
9-89

100993

DAS
31
9-89

NCR: Yes / No

DQA: Date:

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: Date:

Work Order: _____				DISPOSITION		AGAINST DEPARTMENT/PROCESS					
				Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>			
				Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>			
				Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>			
				Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear				General							
Bending	Bend	Grain	Ovalized	Pressure/Forced							
Centre Not Concentric to O/S	BOM/Route	Hardware	Over/Under tolerance	Temperature/Cure							
Cracks	Broken/Damaged	Inspection Incomplete	Part Incorrect	Weld							
Crushed/Crimped	Burrs	Instructions Incomplete/Unclear	Part Lost/Missing	Wrong Stock Pulled							
Cuffs	Contamination	Maintenance	Part Moved								
Heat Treat	Countersink	Mislabeled	Positioned Wrong								
Inspection Strip in Tube	Cut Too Short	Misread	Power Loss/Surge								
Ripples in Bend	Drill Holes	Offset									
Torque Waves in Extrusion	Drawing	Out of Calibration									
Turning Sequence	Finish	Out of Sequence									
Wave/Twist in Tube	Folio	Outside Dimensions									

Picklist Print

September-11-13 11:46:44 AM

Page 11

Work Order ID: 106833

Parent Item: 646.4001

Start Date: 9/23/13

Required Date: 9/23/13

Parent Item Name: AS350 Cable Cutters

Start Qty: 1.00

Required Qty: 1.00

~~646.3716~~
Gauge Bracket

Manufactured No Each 42.0000

DAS
6
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
st535	30	
101528	10	
93198	20	
ST536	12	
100120	1	
102552	11	

DAS
33
82

88
88
88

102552

2
DAS
33
82

DAS
31
9-89

~~MS20426AD5-7~~
RIVET

Purchased No Each 709.0000

DAS
6
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST334	709	
101340	709	

161340

2
DAS
33
82

DAS
31
9-89

~~MS24694-S54~~
SCREW

Purchased No Each 514.0000

DAS
6
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST303	514	*
125535	514	

125535

4
DAS
33
82

DAS
31
9-89

~~MS27039-1-21~~
Screw

Purchased No Each 352.0000

DAS
6
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST306	4	
115935	4	
ST506	348	
124326	248	
m126319	100	

124326

2
DAS
33
82

13-10-04

~~MS27039-1-20~~
Screw

Purchased No Each 434.0000

88
88
88

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
st510	434	
124326	434	

124326

2
DAS
33
82

DAS
31
9-89

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS														
			Rework <input type="checkbox"/>	Scrap <input type="checkbox"/>	Use-as-is <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Machining <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Finishing <input type="checkbox"/>	Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/>	Quality <input type="checkbox"/>	Other <input type="checkbox"/>
Part No. _____			Work Order Update <input type="checkbox"/>																	
NCR No. _____																				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance			Initial Chief Eng	Action Description			Sign & Date	Verification	QC Inspector							
Doc/Data																				
Equip/Tooling																				
Operator																				
Material																				
Setup																				
Other																				
Process																				
Supplier																				
Training																				
Unapproved																				
FAULT CATEGORY																				
Landing Gear				General																
Bending	<input type="checkbox"/>	Bend	<input type="checkbox"/>	Grain	<input type="checkbox"/>	Ovalized	<input type="checkbox"/>	Pressure/Forced												
Centre Not Concentric to O/S	<input type="checkbox"/>	BOM/Route	<input type="checkbox"/>	Hardware	<input type="checkbox"/>	Over/Under tolerance	<input type="checkbox"/>	Temperature/Cure												
Cracks	<input type="checkbox"/>	Broken/Damaged	<input type="checkbox"/>	Inspection Incomplete	<input type="checkbox"/>	Part Incorrect	<input type="checkbox"/>	Weld												
Crushed/Crimped	<input type="checkbox"/>	Burrs	<input type="checkbox"/>	Instructions Incomplete/Unclear	<input type="checkbox"/>	Part Lost/Missing	<input type="checkbox"/>	Wrong Stock Pulled												
Cuffs	<input type="checkbox"/>	Contamination	<input type="checkbox"/>	Maintenance	<input type="checkbox"/>	Part Moved	<input type="checkbox"/>													
Heat Treat	<input type="checkbox"/>	Countersink	<input type="checkbox"/>	Mislabeled	<input type="checkbox"/>	Positioned Wrong	<input type="checkbox"/>													
Inspection Strip in Tube	<input type="checkbox"/>	Cut Too Short	<input type="checkbox"/>	Misread	<input type="checkbox"/>	Power Loss/Surge	<input type="checkbox"/>													
Ripples in Bend	<input type="checkbox"/>	Drill Holes	<input type="checkbox"/>	Offset	<input type="checkbox"/>	Other	<input type="checkbox"/>													
Torque Waves in Extrusion	<input type="checkbox"/>	Drawing	<input type="checkbox"/>	Out of Calibration	<input type="checkbox"/>		<input type="checkbox"/>													
Turning Sequence	<input type="checkbox"/>	Finish	<input type="checkbox"/>	Out of Sequence	<input type="checkbox"/>		<input type="checkbox"/>													
Wave/Twist in Tube	<input type="checkbox"/>	Folio	<input type="checkbox"/>	Outside Dimensions	<input type="checkbox"/>		<input type="checkbox"/>													

Picklist Print

September-11-13 11:46:45 AM

Page 12

Work Order ID: 106833

Parent Item: 646.4001

Start Date: 9/23/13

Required Date: 9/23/13

Parent Item Name: AS350 Cable Cutters

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-19

Purchased No

Each 1,332.0000

Screw

DAS
6
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

ST306	102	
122814	2	
123522	100	
ST504	1000	
125654	1000	
ST506	230	
124326	230	

Manufactured No

Each 9.0000

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

ST523A	6	
104680	6	
ST536	3	
100127	3	

Manufactured No

Each 31.0000

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

ST522	1	
93365	1	
ST523A	10	
103012	10	
ST536	20	
100128	20	

Manufactured No

Each 14.0000

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

ST523A	12	
104679	12	
ST536	2	
100129	2	

646.3719

Doubler

DAS
6
9-89

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION		AGAINST DEPARTMENT/PROCESS								
			Rework Scrap Use-as-is Work Order Update	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Skid-tube Machining Thermoforming Large Fab	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Crosstube Small Fab Finishing Composite	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Engineering Quality Other		
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector			
Doc/Data													
Equip/Tooling													
Operator													
Material													
Setup													
Other													
Process													
Supplier													
Training													
Unapproved													
FAULT CATEGORY													
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions							<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <hr/> <hr/> <hr/>		
											<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <hr/> <hr/> <hr/>		
											<input type="checkbox"/> Other		

Picklist Print

September-11-13 11:46:45 AM

Page 13

Work Order ID: 106833

Parent Item: 646.4001

Start Date: 9/23/13

Required Date: 9/23/13

Parent Item Name: AS350 Cable Cutters

Start Qty: 1.00

Required Qty: 1.00

MS27039;1-10
SCREW

Purchased No Each 787.0000

2
DAS
31
9-89

DAS
6
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
GA	100	
120449	100	
ST305	259	
122815	1	
124859	100	
125654	158	
ST308	18	
123522	18	
ST506	410	
124326	10	
m126474	400	

125654

DAS
31
9-89

AN3-11A
Bolt

Purchased No Each 894.0000

8
DAS
31
9-89

DAS
6
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST351	492	
m125709	492	
ST512	402	
115457	100	
123352	200	
123759	102	

123159

DAS
31
9-89

600.0990
MAGNABOND 6398 PART A

Purchased No Each 56.0000

DAS
31
9-89

88 88 DAS

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST	8	
m126215	8	
ST418	48	
m126233	48	

126215

DAS
31
9-89

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS														
			Rework <input type="checkbox"/>	Scrap <input type="checkbox"/>	Use-as-is <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Machining <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Finishing <input type="checkbox"/>	Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/>	Quality <input type="checkbox"/>	Other <input type="checkbox"/>
Part No. _____			Work Order Update <input type="checkbox"/>																	
NCR No. _____																				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description			Sign & Date	Verification	QC Inspector								
Doc/Data																				
Equip/Tooling																				
Operator																				
Material																				
Setup																				
Other																				
Process																				
Supplier																				
Training																				
Unapproved																				
FAULT CATEGORY																				
Landing Gear	General																			
	Bending <input type="checkbox"/>	Bend <input type="checkbox"/>	Grain <input type="checkbox"/>	Ovalized <input type="checkbox"/>	Pressure/Forced <input type="checkbox"/>															
	Centre Not Concentric to O/S <input type="checkbox"/>	BOM/Route <input type="checkbox"/>	Hardware <input type="checkbox"/>	Over/Under tolerance <input type="checkbox"/>	Temperature/Cure <input type="checkbox"/>															
	Cracks <input type="checkbox"/>	Broken/Damaged <input type="checkbox"/>	Inspection Incomplete <input type="checkbox"/>	Part Incorrect <input type="checkbox"/>	Weld <input type="checkbox"/>															
	Crushed/Crimped <input type="checkbox"/>	Burrs <input type="checkbox"/>	Instructions Incomplete/Unclear <input type="checkbox"/>	Part Lost/Missing <input type="checkbox"/>	Wrong Stock Pulled <input type="checkbox"/>															
	Cuffs <input type="checkbox"/>	Contamination <input type="checkbox"/>	Maintenance <input type="checkbox"/>	Part Moved <input type="checkbox"/>																
	Heat Treat <input type="checkbox"/>	Countersink <input type="checkbox"/>	Mislabeled <input type="checkbox"/>	Positioned Wrong <input type="checkbox"/>																
	Inspection Strip in Tube <input type="checkbox"/>	Cut Too Short <input type="checkbox"/>	Misread <input type="checkbox"/>	Power Loss/Surge <input type="checkbox"/>																
	Ripples in Bend <input type="checkbox"/>	Drill Holes <input type="checkbox"/>	Offset <input type="checkbox"/>	Other <input type="checkbox"/>																
	Torque Waves in Extrusion <input type="checkbox"/>	Drawing <input type="checkbox"/>	Out of Calibration <input type="checkbox"/>																	
	Turning Sequence <input type="checkbox"/>	Finish <input type="checkbox"/>	Out of Sequence <input type="checkbox"/>																	
	Wave/Twist in Tube <input type="checkbox"/>	Folio <input type="checkbox"/>	Outside Dimensions <input type="checkbox"/>																	

Picklist Print

September-11-13 11:46:45 AM

Page 14

Work Order ID: 106833

Parent Item: 646.4001

Start Date: 9/23/13

Required Date: 9/23/13

Parent Item Name: AS350 Cable Cutters

Start Qty: 1.00

Required Qty: 1.00

600.0991
MAGNOBOND 6398 PART B

Purchased No Each 56.0000

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST	8	
m126215	8	
ST418	48	
m126233	48	

D4
33
89
126215
DAS
31
9-89

600.1012
Sealant (One 6 oz)

Purchased No Each 23.0000

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
st541	23	
m126248	23	

D4
33
89
126248
DAS
31
9-89

600.0129
VHB TAPE 75935A651

Purchased No ft 163.0000

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST	163	
125031	3	
125540	160	

8
D4
33
89
125540
DAS
31
9-89

600.1013
02000-3M TAPE PRIMER 94 PRIMER 24216

Purchased No Each 835.0000

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST139A	835	
125154	835	

5
D4
33
89
125154
DAS
31
9-89

646.3910
Shim

Manufactured No Each 34.0000

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST139B	4	
125083	4	
st541	30	
100135	30	

4
D4
33
89
100135
13-10-041
DAS
31
9-89

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS														
			Rework <input type="checkbox"/>	Scrap <input type="checkbox"/>	Use-as-is <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Machining <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Finishing <input type="checkbox"/>	Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/>	Quality <input type="checkbox"/>	Other <input type="checkbox"/>
Part No. _____			Work Order Update <input type="checkbox"/>																	
NCR No. _____																				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance			Initial Chief Eng	Action Description			Sign & Date	Verification		QC Inspector						
Doc/Data																				
Equip/Tooling																				
Operator																				
Material																				
Setup																				
Other																				
Process																				
Supplier																				
Training																				
Unapproved																				
FAULT CATEGORY																				
Landing Gear				General																
Bending	<input type="checkbox"/>	Bend	<input type="checkbox"/>	Grain	<input type="checkbox"/>	Ovalized	<input type="checkbox"/>	Pressure/Forced												
Centre Not Concentric to O/S	<input type="checkbox"/>	BÖM/Route	<input type="checkbox"/>	Hardware	<input type="checkbox"/>	Over/Under tolerance	<input type="checkbox"/>	Temperature/Cure												
Cracks	<input type="checkbox"/>	Broken/Damaged	<input type="checkbox"/>	Inspection Incomplete	<input type="checkbox"/>	Part Incorrect	<input type="checkbox"/>	Weld												
Crushed/Crimped	<input type="checkbox"/>	Burrs	<input type="checkbox"/>	Instructions Incomplete/Unclear	<input type="checkbox"/>	Part Lost/Missing	<input type="checkbox"/>	Wrong Stock Pulled												
Cuffs	<input type="checkbox"/>	Contamination	<input type="checkbox"/>	Maintenance	<input type="checkbox"/>	Part Moved	<input type="checkbox"/>													
Heat Treat	<input type="checkbox"/>	Countersink	<input type="checkbox"/>	Mislabeled	<input type="checkbox"/>	Positioned Wrong	<input type="checkbox"/>													
Inspection Strip in Tube	<input type="checkbox"/>	Cut Too Short	<input type="checkbox"/>	Misread	<input type="checkbox"/>	Power Loss/Surge	<input type="checkbox"/>	Other												
Ripples in Bend	<input type="checkbox"/>	Drill Holes	<input type="checkbox"/>	Offset	<input type="checkbox"/>		<input type="checkbox"/>													
Torque Waves in Extrusion	<input type="checkbox"/>	Drawing	<input type="checkbox"/>	Out of Calibration	<input type="checkbox"/>		<input type="checkbox"/>													
Turning Sequence	<input type="checkbox"/>	Finish	<input type="checkbox"/>	Out of Sequence	<input type="checkbox"/>		<input type="checkbox"/>													
Wave/Twist in Tube	<input type="checkbox"/>	Folio	<input type="checkbox"/>	Outside Dimensions	<input type="checkbox"/>		<input type="checkbox"/>													

Picklist Print

September-11-13 11:46:45 AM

Page 15

Work Order ID: 106833

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutters

646.5911
Shim

Start Date: 9/23/13

Start Qty: 1.00

Required Date: 9/23/13

Required Qty: 1.00

Manufactured No Each 10.0000

1

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

ST139A

9

99775

9

ST139d

1

93362

1

99775

DAS
31
9.89

646.3912
Shim

Manufactured No Each 32.0000

4

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

ST139d

4

93423

4

st541

28

102271

12

99841

16

102271

DAS
31
9.89

646.3913
Shim

Manufactured No Each 34.0000

1

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

ST139d

14

93160

14

st541

20

100136

20

100136

DAS
31
9.89

AN3-12A
Bolt

Purchased No Each 191.0000

2

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

GA

6

122407

6

ST351

185

114536

1

123352

2

m125709

100

m125752

2

m126192

80

126192

DAS
31
9.89

NCR: Yes / No

DQA: Date:

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: Date:

Picklist Print

September-11-13 11:46:45 AM

Page 16

Work Order ID: 106833

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutters

MS27039-1-16

Screw

Purchased No

Start Date: 9/23/13

Start Qty: 1.00

Required Date: 9/23/13

Required Qty: 1.00

Each 200.0000

200

300

13-10-04

DAS

31

9-89

Location Loc Qty Loc Code

ST306 200

125654 200

125654

888

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>				
			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>				
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>				
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear				General							
	<input type="checkbox"/>	Bending	<input type="checkbox"/>	Bend	<input type="checkbox"/>	Grain	<input type="checkbox"/>	Ovalized	<input type="checkbox"/>	Pressure/Forced	
	<input type="checkbox"/>	Centre Not Concentric to O/S	<input type="checkbox"/>	BOM/Route	<input type="checkbox"/>	Hardware	<input type="checkbox"/>	Over/Under tolerance	<input type="checkbox"/>	Temperature/Cure	
	<input type="checkbox"/>	Cracks	<input type="checkbox"/>	Broken/Damaged	<input type="checkbox"/>	Inspection Incomplete	<input type="checkbox"/>	Part Incorrect	<input type="checkbox"/>	Weld	
	<input type="checkbox"/>	Crushed/Crimped	<input type="checkbox"/>	Burrs	<input type="checkbox"/>	Instructions Incomplete/Unclear	<input type="checkbox"/>	Part Lost/Missing	<input type="checkbox"/>	Wrong Stock Pulled	
	<input type="checkbox"/>	Cuffs	<input type="checkbox"/>	Contamination	<input type="checkbox"/>	Maintenance	<input type="checkbox"/>	Part Moved	<input type="checkbox"/>		
	<input type="checkbox"/>	Heat Treat	<input type="checkbox"/>	Countersink	<input type="checkbox"/>	Mislabeled	<input type="checkbox"/>	Positioned Wrong	<input type="checkbox"/>		
	<input type="checkbox"/>	Inspection Strip in Tube	<input type="checkbox"/>	Cut Too Short	<input type="checkbox"/>	Misread	<input type="checkbox"/>	Power Loss/Surge	<input type="checkbox"/>		
	<input type="checkbox"/>	Ripples in Bend	<input type="checkbox"/>	Drill Holes	<input type="checkbox"/>	Offset	<input type="checkbox"/>		<input type="checkbox"/>	Other	
	<input type="checkbox"/>	Torque Waves in Extrusion	<input type="checkbox"/>	Drawing	<input type="checkbox"/>	Out of Calibration	<input type="checkbox"/>		<input type="checkbox"/>		
	<input type="checkbox"/>	Turning Sequence	<input type="checkbox"/>	Finish	<input type="checkbox"/>	Out of Sequence	<input type="checkbox"/>		<input type="checkbox"/>		
	<input type="checkbox"/>	Wave/Twist in Tube	<input type="checkbox"/>	Folio	<input type="checkbox"/>	Outside Dimensions	<input type="checkbox"/>		<input type="checkbox"/>		

APICAL
INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NO. 03079

DWG NO. 646.4000

REV: A

PREPARED BY: N.CAP

DATE: 03/21/11

SHEET 1

OF 1

EFFECT ON DWG
 INC. UNINC.

DWG TITLE: AS350 CABLE CUTTERS KIT

APPROVED BY:

ENGR *J. Brano*

MFG

David Barker

QC

Thomas J. Foye

EFF: NEXT ORDER

TRANSACTION CODES (TC):
A-ADD C-CREATE
R-REVISE D-DELETE

REASON: CREATED FIXED AND CCK WITHOUT FIXED PROVISIONS KIT

SHEET 1, BOM, IS:

106833 MCJ
13-09-13

REF	REF	REF	65	6475701	GPS MOUNT KIT	
6		64	6013151	VASHER	N02494309P	
2		63	6012911	SCREW	N02494350	
2	2	62	6012637	SCREW	N02709-1-16	
2	2	61	6012763	BOLT	AKO-12A	
1	1	60	6463913	SHIM		
4	1	59	6463912	SHIM		
1	1	58	6463911	SHIM		
4	4	57	6463910	SHIM		
5	5	56	6001013	PRIMER		
8 FT	8 FT	55	6001029	VHB TAPE		
1	11	54	6001012	SEALANT	PN-1423 CLASS 3	
ARM	ARM	ARM	FIND #	PART #	DESCRIPTION	NATL SPEC

1	1	53	6001091	MACROBOND 6370 PART B		
1	1	52	6001090	MACROBOND 6370 PART A		
8	8	51	6012826	BOLT	AKO-11A	
2	2	50	6463814	WIPER BRACKET		
2	2	49	6012910	SCREW	N02709-1-18	
2	2	48	6011365	SCREW	N02709-1-18	
2	2	47	6463719	DOUBLER		
2	2	46	6463718	CUSTOM WASHER		
1	1	45	6463717	DOUBLER		
22	2	44	6011948	SCREW	N02709-1-19	
2	2	43	6011952	SCREW	N02709-1-20	
4	4	42	6011956	SCREW	N02709-1-21	
2	2	41	6012829	SCREW	N02494334	
2	2	40	6012831	RIVET	N02426A05-7	
1	1	39	6463716	GAUGE BRACKET		
6	6	38	6011953	SCREW	N02709-1-12	
2	2	37	6463715	STRUT DOUBLER		
2	2	36	6012824	BOLT	AKO-5A	
36	36	35	6012277	RIVET	C028443-2-02	
16	18	34	6001093	NUTPLATE	N021047-3	
3	3	33	6012553	RIVET	N02479A05-7	
1	1	32	6463613	STRUT BRACKET		
4	4	31	6012822	BOLT	AKO-3A	
2	2	30	6463812	GUSSET BRACKET		
8	8	29	6012564	RIVET	N02479A05-6	
1	1	28	6463714	GUSSET		
1	1	27	6463610	FILLER		
1	1	26	6012830	SCREW	N024694335	
2	2	25	6012825	BOLT	AKO-6A	
1	1	24	6463811	RADIUS BLOCK		
1	1	23	6463712	CLIP		
1	1	22	6463711	CLIP		
8	9	21	6012832	RIVET	N02479A05-53	
14	14	20	6012020	RIVET	C02813-5-3	
10	10	19	6012823	BOLT	AKO-4A	
1	1	18	6012827	BOLT	AKO-13A	
5	5	17	6012912	SCREW	N024694335	
1	1	16	6463713	GUSSET		
1	1	15	6463810	SUPPORT		
1	1	14	6463710	DOUBLER		
1	1	13	6463110	CHANNEL		
8	16	12	6011624	LOCKNUT	N024623	
18	116	11	6011607	VASHER	N02494309P	
		10	6463411	RH VIPER DEFLECTOR		
		9	6463410	LH VIPER DEFLECTOR		
		8	6463513	STRUT		
		7	6463512	STRUT		
		6	6463511	STRUT		
		5	6463510	STRUT		
2	2	4	6463810	BRACKET		
		3	6462910	DEFLECTOR		
		2	6463001	LOWER CUTTER ASSY		
		1	6463301	UPPER CUTTER ASSY		
X			6464004	FIXED PROVISIONS KIT		
X			6464003	ASSEMBLY KIT REPAIR		
			6464008	ASSEMBLY REPAIR KIT		
			6464001	AS350 CABLE CUTTERS KIT		
ARM	ARM	FIND #	PART #	DESCRIPTION	NATL	SPEC

DOCUMENTS EFFECTED:

MDL INSTALL INSTRUC ICA BOM

CHANGE CATEGORY

MAJOR MINOR

DER REVIEW REQUIRED

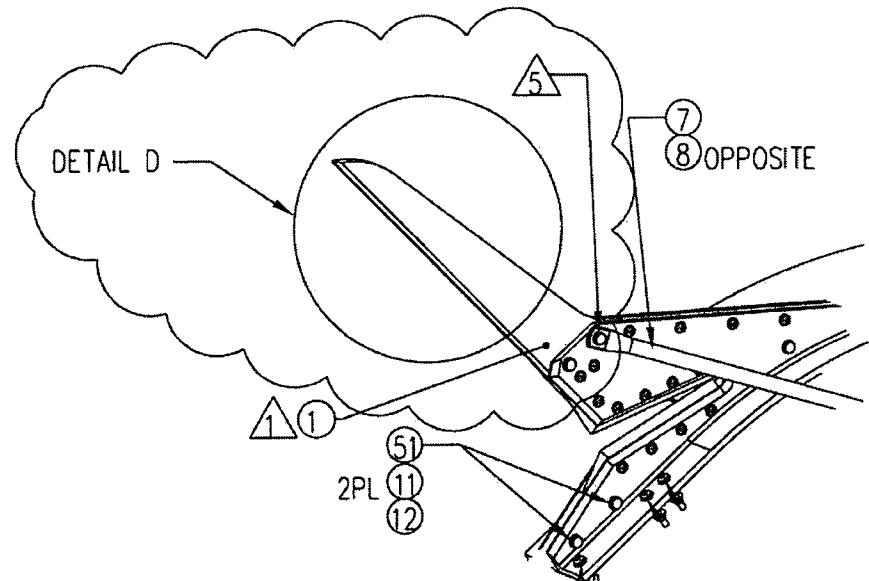
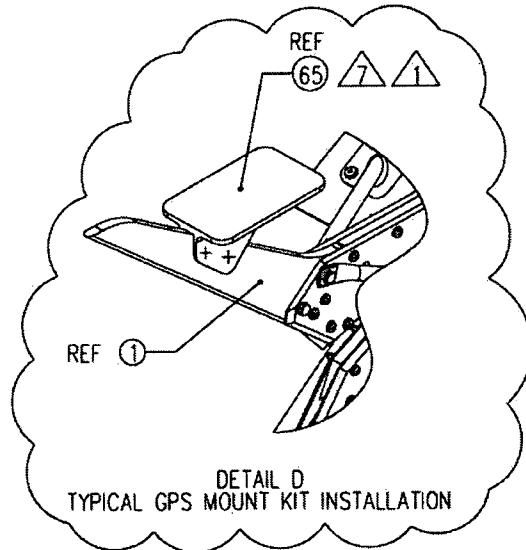
YES NO

106833

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03046				SHEET 1	OF 1
	DWG NO. 646.4000	REV: A	PREPARED BY J. JACKSON	DATE: 01/24/11	EFFECT ON DWG <input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC.	
DWG TITLE: AS350 CABLE CUTTERS KIT						
APPROVED BY:	ENGR <i>Z Brane</i>	MFG <i>David Parker</i>	QC <i>Manuel Lopez</i>	EFF: NEXT ORDER		
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: ADDED GPS MOUNT KIT, F/N 65. REVISED DRAWING VIEWS. ADDED NOTE 7.					

SHEET 1, ZONE B1 IS:

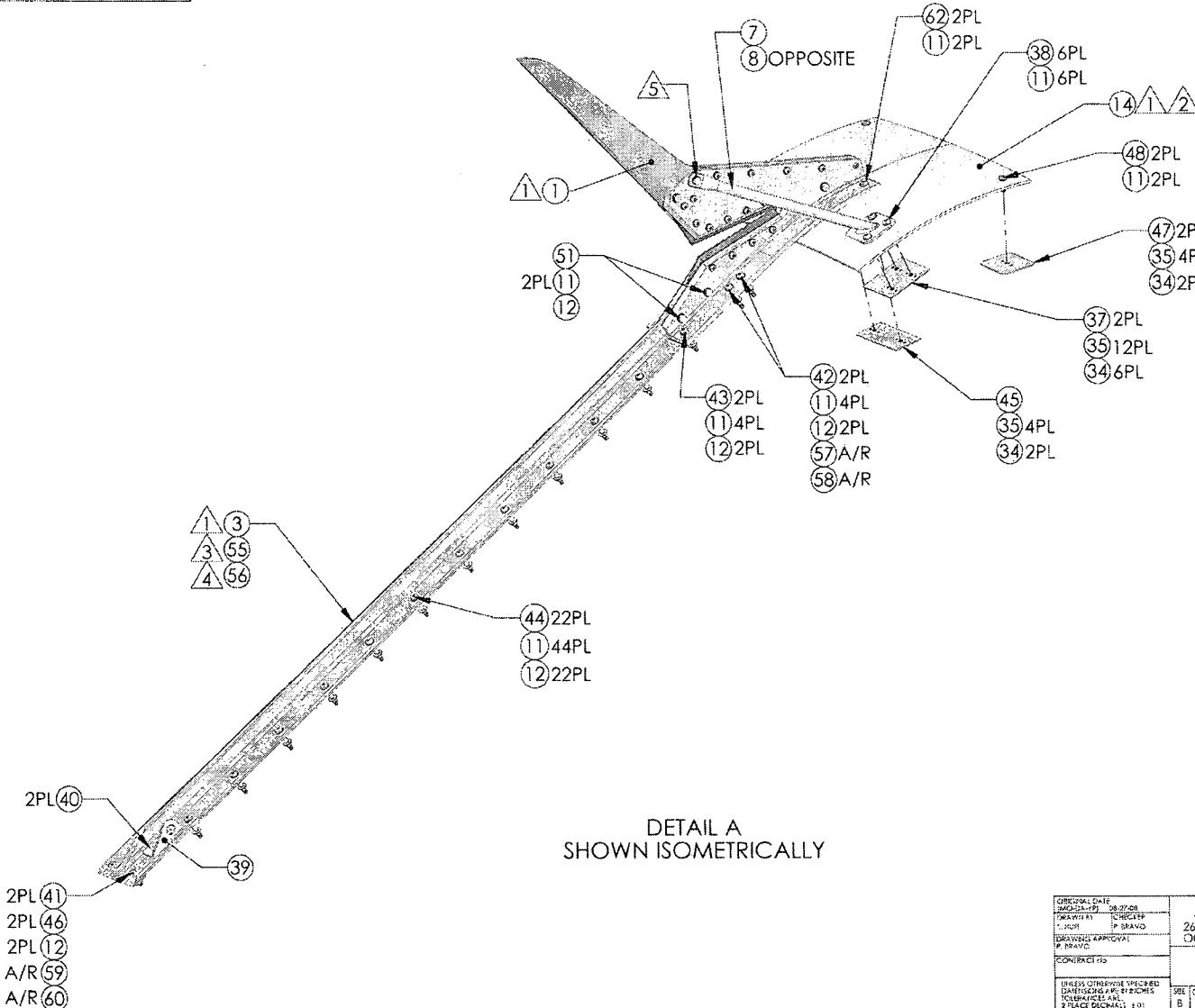
 7 AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ONTO F/N 1.

SHEET 2, ZONE A4 IS:SHEET 2, ZONE B2 IS:

65	A	647.5701	REF	GPS MOUNT KIT		
F/N	TC	PART NUMBER	.4001	DESCRIPTION	MATERIAL	SPECIFICATION
QTY						
DOCUMENTS EFFECTED:				<input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRUC <input type="checkbox"/> ICA <input checked="" type="checkbox"/> BOM	CHANGE CATEGORY <input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR	DER REVIEW REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

106833

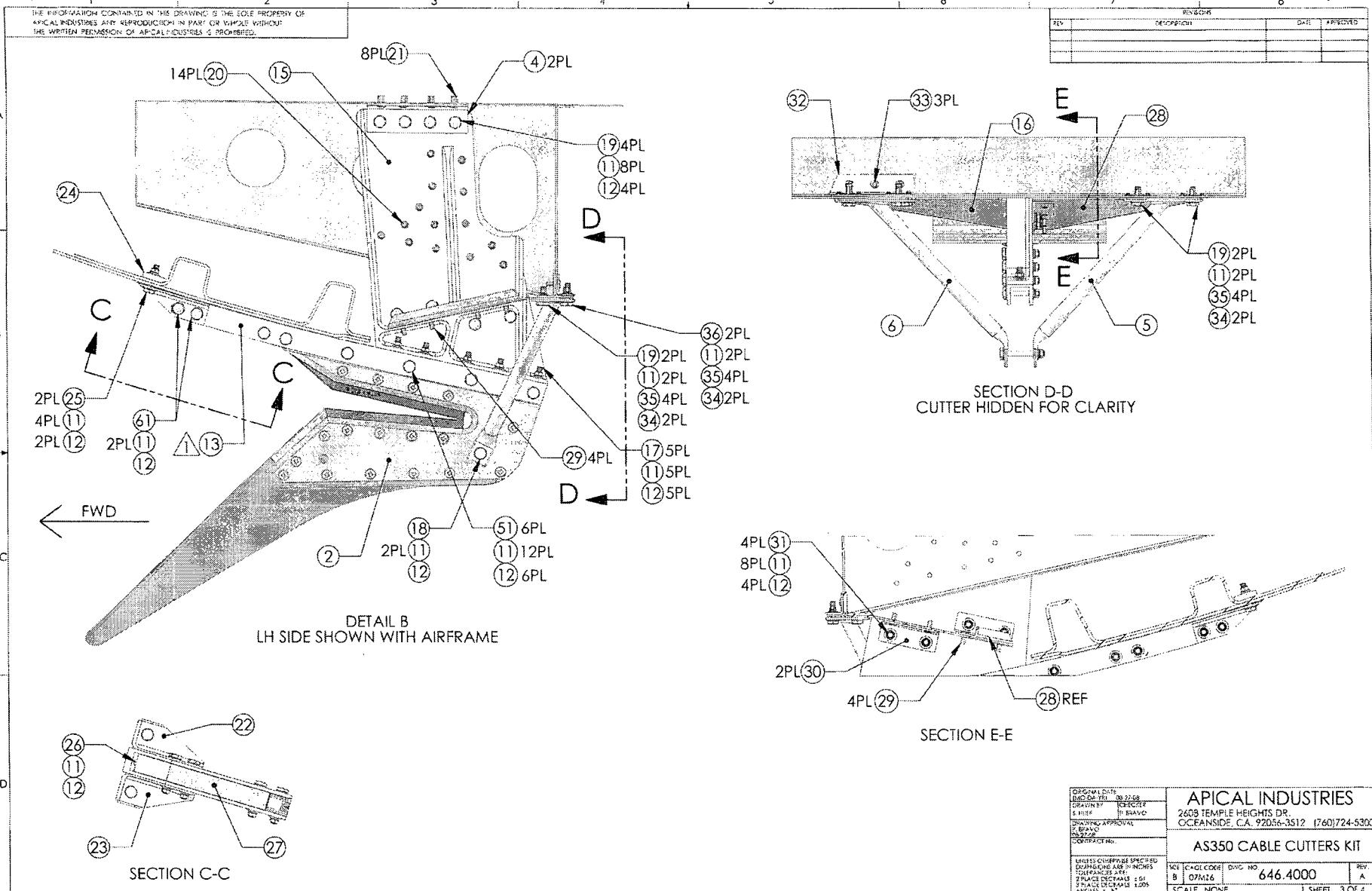
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ORIGINAL DATE 10/10/09	REVISED DATE 10/10/09	APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA 92056-3512 (760)724-5305
DRAWN BY P. BRAVO	DESIGNED BY P. BRAVO	
DRAWING APPROVAL P. BRAVO	REVIEWED P. BRAVO	
CONTRACT NO.		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES: ± .01 2 PLACE DECIMALS + 00 3 PLACE DECIMALS + 000 4 PLACE DECIMALS + 0000	SEE CASE CODE: Dwg. No B 07M16	REV A SCALE: NONE
	646.4000	1 SHEET 2 OF 4

106833

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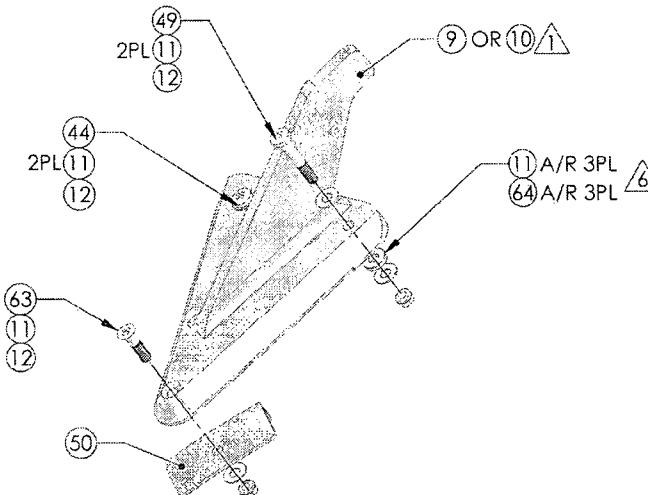
ORIGINAL DATE	10/16/03	REVISED DATE	12/22/03
DRAWN BY	REVISER	SUPERVISOR	BR BRAVO
S.H.BR			
DRAWING APPROVAL	DATE	APPROVED	12/22/03
BY	BY	BY	
CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED DRAWINGS ARE IN INCHES			
1 PLACE DECIMALS ± .01			
2 PLACE DECIMALS ± .001			
3 PLACE DECIMALS ± .0005			
ANGLES ± .5°			
SIZE	CAGE CODE	DRAW. NO.	REV.
B	07M16	646.4000	A
SCALE	NONE	1 SHEET	3 OF 4

APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA 92056-3512 (760)724-5300
AS350 CABLE CUTTERS KIT

1 1 2
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REV	DESCRIPTION	DATE	APPROVED

106833



A
B
C
D
DETAIL C
LH SHOWN EXPLODED
RH OPPOSITE

DRAWN BY:	DATE:
R. SAWYER	09-27-08
SUPERVISED BY:	CONTRACTOR:
S. HIRI	R. SAWYER
DETAILED APPROVAL:	PRINTED:
PRINTED:	09-27-08
CONTACT NO:	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
1 PLACE DECIMALS 1.0; 2 PLACES DECIMALS 1.00; 3 PLACES DECIMALS 1.000; 4 PLACES DECIMALS 1.0000	
INTL. CODE:	07M16
REV:	A
SCALE:	NONE
ITEM:	AS350 CABLE CUTTERS KIT
ITEM:	646,4000
ITEM:	1 SHEET
ITEM:	4 OF 4

APICAL
INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NO. 03079

DWG NO. 646.4000

REV: A

PREPARED
BY: N.CAP

DATE: 03/21/11

SHEET 1 JF 1

EFFECT ON DWG
 INC. UNINC.

DWG TITLE: AS350 CABLE CUTTERS KIT

APPROVED BY:

ENGR *P. Brano*

MFG

David Bush

QC

Thomas J. Foy

EFF: NEXT ORDER

TRANSACTION CODES (TC)
A-ADD C-CREATE
R-REVISE D-DELETE

REASON: CREATED FIXED AND CCK WITHOUT FIXED PROVISIONS KIT

SHEET 1, BOM, IS:

REFERENCE ONLY

REF	REF	REF	65	647570	GPS MOUNT KIT	▲
1	6	64	6013151	VASHER	NSK404530	
2	2	63	6012911	SCRE	NSK404530	
2	2	62	6012637	SCRE	NSK7079-1-16	
2	2	61	6012763	BOLT	AKO-12A	
1	1	60	6463913	SHIM		
4	4	59	6463912	SHIM		
1	1	58	6463910	SHIM		
4	4	57	6463910	SHIM		
5	5	56	6001013	PRIMER		
8 FT	8 FT	55	6000129	WHT TAPE		
1	1	54	6001012	SEALANT	PR-1403 CLASS 3	
4004	4003	4002	4001	FIND #	PART #	DESCRIPTION
					MATL	SPEC.

1	1	53	4	6000991	HARDWARE 6570 PART B	
1	1	52	4	6000990	HARDWARE 6570 PART A	
8	8	51	5	6012826	BOLT	
2	2	50	6463814	WIPER BRACKET		
2	2	49	6012910	SCRE	NSK7079-1-16	
2	2	48	6011365	SCRE	NSK7079-1-16	
2	2	47	6463719	DOUBLER		
2	2	46	6463718	CUSTOM WASHER		
1	1	45	6463717	DOUBLER		
22	2	44	6011948	SCRE	NSK7079-1-16	
2	2	43	6011952	SCRE	NSK7079-1-16	
4	4	42	6011956	SCRE	NSK7079-1-16	
2	2	41	6012829	SCRE	NSK404530	
2	2	40	6012831	RIVET	NSK404530	
1	1	39	6463716	GAUGE BRACKET		
6	6	38	6011953	SCRE	NSK7079-1-16	
2	2	37	6463715	STRUT-DOUBLER		
2	2	36	6012824	BOLT	AKO-3A	
36	36	35	6012277	RIVET	NSK404530	
18	18	34	6001795	NUTPLATE	NSK7079-1-16	
3	3	33	6012565	RIVET	NSK404530	
1	1	32	6463813	STRUT BRACKET		
4	4	31	6012822	BOLT	AKO-3A	
2	2	30	6463812	GUSSET BRACKET		
8	8	29	6012564	RIVET	NSK404530	
1	1	28	6463714	GUSSET		
1	1	27	6463610	FILLER		
1	1	26	6012830	SCRE	NSK404530	
2	2	25	6012825	BOLT	AKO-6A	
24	24	24	6463811	RADIUS BLOCK		
23	23	23	6463712	CLIP		
22	22	22	6463711	CLIP		
8	8	21	6012822	RIVET	NSK7079-1-16	
14	14	20	6012020	RIVET	NSK7079-1-16	
10	10	19	6012823	RIVET	AKO-1A	
1	1	18	6012827	RIVET	AKO-1A	
5	5	17	6012912	SCRE	NSK404530	
1	1	16	6463713	GUSSET		
1	1	15	6463210	SUPPORT		
1	1	14	6463710	DOUBLER		
1	1	13	6463103	CHANNEL		
8	8	12	6011624	LOCKNUT	NSK404530	
16	16	11	6011607	WASHER	NSK404530	
10	10	10	6463411	RH WIPER DEFLECTOR		
1	1	9	6463410	LH WIPER DEFLECTOR		
1	1	8	6463513	STRUT		
1	1	7	6463512	STRUT		
1	1	6	6463511	STRUT		
1	1	5	64632510	STRUT		
2	2	4	6463210	BRACKET		
1	1	3	6462910	DEFLECTOR		
1	1	2	6463201	LOWER CUTTER ASSY		
1	1	1	6463201	UPPER CUTTER ASSY		
X	X		6464004	FIXED PROVISIONS KIT		
X	X		6464003	WATER TIGHT KIT		
X	X		6464002	PROVISIONS		
X	X		6464001	ASSEMBLY REPOSITION KIT		
4004	4003	4002	4001	FIND #	PART #	DESCRIPTION
					MATL	SPEC.

DOCUMENTS EFFECTED:

MDL

INSTALL INSTRUC

ICA

BOM

CHANGE CATEGORY
 MAJOR MINOR

DER REVIEW REQUIRED
 YES NO

Work Order ID 106833

September-11-13 11:46:46 AM

Item ID: 646.4001

Revision ID:

Item Name: AS350 Cable Cutters

Start Date: 9/23/13 Start Qty: 1.00

Required Date: 9/23/13 Req'd Qty: 1.00

Reference:

Accept

106833

N900040100

Setup Start

NS1

Stop

NS2

Cust Item ID:

Customer:

Run Start

NR1

Stop

NR2

Approvals: Process Plan: MLJ

QC:

Date: 13-09-13 Tooling:

Date: SPC (Y/N):

Date:

Date:

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
646.4000	A								
100									

100

DC

DOCUMENT CONTROL

0.00

MLJ 13-10-04

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

JB

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Quality Control

Memo

0.00

Page 1